

**PATENT APPLICATION**  
**DOCKET NO. 00100.01.0051**

**In the United States Patent and Trademark Office**

**FILING OF A UNITED STATES PATENT APPLICATION**  
**HIGH DENSITY INTERCONNECTION DEVICE**

**Inventors:**

|   |   |
|---|---|
| <b>Harjinder Dulai</b><br>29 Glamorgan Court<br>Unionville, Ontario, Canada   | <b>Yen-Ming Chen</b><br>168 High Glen Avenue<br>Markham, Ontario, Canada                |
| <b>Colin Szeto</b><br>228 Elmwood Avenue<br>North York, Ontario, Canada       | <b>Edward J. Laurin</b><br>98 Waterton Road<br>Etobicoke, Ontario, Canada               |
| <b>Steven D. Daniels</b><br>122 Colvin Crescent<br>Thornhill, Ontario, Canada | <b>Jean Francois Drolet</b><br>1401 Dupont Street, Apt. 618<br>Toronto, Ontario, Canada |

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|--|--|
|  | Express Mail Label No. <u>EL70779896945</u>  |
|  | Date of Deposit: <u>8-3-01</u>   |
|  | I hereby certify that this paper is being deposited with the U.S. Postal Service "Express Mail Post Office to Addresses" service under 37 C.F.R. Section 1.10 on the 'Date of Deposit', indicated above, and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231. |
|  | Name of Depositor: Rosalie Swanson<br>(print or type)  |
|  | Signature: <u>Rosalie Swanson</u>  |

**DECLARATION  
FOR UTILITY OR DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

- ☒ Declaration Submitted with Initial Filing, OR  
☐ Declaration Submitted after Initial Filing  
(surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number 00100.01.0051  
First Named Inventor: Harjinder Dulai  
**COMPLETE IF KNOWN**  
Application Number  
Filing Date  
Group Art Unit  
Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **HIGH DENSITY INTERCONNECTION DEVICE**  
the specification of which:

- ☒ is attached hereto.  
☐ was file on (MM/DD/YYYY) as United States Application Number or PCT International Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign<br>Application Number(s) | Country | Foreign Filing Date<br>(MM/DD/YYYY) | Priority Not<br>Claimed  | Certified Copy Attached? |                          |
|--|---------|-------------------------------------|--------------------------|--------------------------|--------------------------|
|  |         |                                     |                          | YES                      | NO                       |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- ☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Data (MM/DD/YYYY) |
|-----------------------|--------------------------|
|                       |                          |
|                       |                          |

- ☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. Parent Application or PCT<br>Parent Number | Parent Filing Date<br>(MM/DD/YYYY) | Parent Patent Number<br>(if applicable) |
|---|------------------------------------|---|
|   |                                    |   |
|   |                                    |   |

- ☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| Name                | Registration Number | Name                   | Registration Number |
|---------------------|---------------------|------------------------|---------------------|
| Angelo J. Bufalino  | 29,662              | Christopher J. Reckamp | 34,414              |
| James T. FitzGibbon | 20,592              | Michael J. Turgeon     | 39,404              |
| Richard A. Zachar   | 25,560              | Christopher Moreno     | 38,566              |
| Ludwig Kolman       | 32,473              |                        |                     |
| Joseph P. Krause    | 32,578              |                        |                     |

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

|  |                   |                        |                 |
|--|-------------------|------------------------|-----------------|
| Given Name (first and middle [if any]) |                   | Family Name or Surname |                 |
| Harjinder                              |                   | Dulai                  |                 |
| Inventor's Signature                   | <i>H.S. Dulai</i> | Date                   | 6.20.2001       |
| Residence                              | City: Unionville  | State: Ontario         | Country: Canada |
| Post Office Address 29 Glamorgan Court |                   |                        |                 |
| City: Unionville                       | State: Ontario    | ZIP: L3R 7V7           | Country: Canada |

Name of Additional Joint Inventor: ☐ A petition has been filed for this unsigned inventor

|  |                |                        |                 |
|--|----------------|------------------------|-----------------|
| Given Name (first and middle [if any])   |                | Family Name or Surname |                 |
| Yen-Ming                                 |                | Chen                   |                 |
| Inventor's Signature                     |                | Date                   |                 |
| Residence                                | City: Markham  | State: Ontario         | Country: Canada |
| Post Office Address 168 High Glen Avenue |                |                        |                 |
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Name of Additional Joint Inventor: ☐ A petition has been filed for this unsigned inventor

|  |                  |                        |                 |
|--|------------------|------------------------|-----------------|
| Given Name (first and middle [if any]) |                  | Family Name or Surname |                 |
| Colin                                  |                  | Szeto                  |                 |
| Inventor's Signature                   |                  | Date                   |                 |
| Residence                              | City: North York | State: Ontario         | Country: Canada |
| Post Office Address 228 Elmwood Avenue |                  |                        |                 |
| City: North York                       | State: Ontario   | ZIP: M2N 3M7           | Country: Canada |

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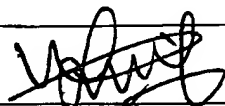
Name of Sole or First Inventor:

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|--|--------------------|------------------------|-----------------|
| Given Name (first and middle [if any]) |                    | Family Name or Surname |                 |
| Harjinder                              |                    | Dulai                  |                 |
| Inventor's Signature                   |                    | Date                   |                 |
| Residence                              | City: Unionville   | State: Ontario         | Country: Canada |
| Post Office Address                    | 29 Glamorgan Court |                        |                 |
| City: Unionville                       | State: Ontario     | ZIP: L3R 7V7           | Country: Canada |

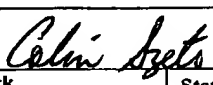
Name of Additional Joint Inventor:

☐ A petition has been filed for this unsigned inventor

|  |   |                        |                 |
|--|---|------------------------|-----------------|
| Given Name (first and middle [if any]) |   | Family Name or Surname |                 |
| Yen-Ming                               |   | Chen                   |                 |
| Inventor's Signature                   |  | Date                   | July 3rd 2001   |
| Residence                              | City: Markham   | State: Ontario         | Country: Canada |
| Post Office Address                    | 168 Highglen Avenue   |                        |                 |
| City: Markham                          | State: Ontario  | ZIP: L3S 1X5           | Country: Canada |

Name of Additional Joint Inventor:

☐ A petition has been filed for this unsigned inventor

|  |   |                        |                 |
|--|---|------------------------|-----------------|
| Given Name (first and middle [if any]) |   | Family Name or Surname |                 |
| Colin                                  |   | Szeto                  |                 |
| Inventor's Signature                   |  | Date                   | June 18, 2001   |
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| Post Office Address                    | 228 Elmwood Avenue  |                        |                 |
| City: North York                       | State: Ontario  | ZIP: M2N 3M7           | Country: Canada |

Name of Additional Joint Inventor:

☐ A petition has been filed for this unsigned inventor

|  |                         |                        |  |
|--|-------------------------|------------------------|--|
| Given Name (first and middle [if any]) |                         | Family Name or Surname |  |
| Edward J.                              |                         | Laurin                 |  |
| Inventor's Signature                   | <i>Edward J. Laurin</i> |                        | Date<br><i>July 23, 2001</i>           |
| Residence                              | City: Etobicoke         | State: Ontario         | Country: Canada<br>Citizenship: Canada |
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| City: Etobicoke                        |                         | State: Ontario         | ZIP: M8P 2R3<br>Country: Canada        |

Name of Additional Joint Inventor:

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|--|-----------------|------------------------|--|
| Given Name (first and middle [if any]) |                 | Family Name or Surname |  |
| Steven D.                              |                 | Daniels                |  |
| Inventor's Signature                   |                 |                        | Date                                   |
| Residence                              | City: Thornhill | State: Ontario         | Country: Canada<br>Citizenship: Canada |
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| City: Thornhill                        |                 | State: Ontario         | ZIP: L4J 2R7<br>Country: Canada        |

Name of Additional Joint Inventor:

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|  |               |                              |  |
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| Given Name (first and middle [if any]) |               | Family Name or Surname       |  |
| Jean Francois                          |               | Drolet                       |  |
| Inventor's Signature                   |               |                              | Date                                   |
| Residence                              | City: Toronto | State: Ontario               | Country: Canada<br>Citizenship: Canada |
| Post Office Address                    |               | 1401 Dupont Street, Apt. 618 |  |
| City: Toronto                          |               | State: Ontario               | ZIP: M6H 2B1<br>Country: Canada        |

☐ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Name of Additional Joint Inventor:

☐ A petition has been filed for this unsigned inventor

|  |                  |                        |                 |
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| Given Name (first and middle [if any]) |                  | Family Name or Surname |                 |
| Edward J.                              |                  | Laurin                 |                 |
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| Post Office Address                    | 98 Waterton Road |                        |                 |
| City: Etobicoke                        | State: Ontario   | ZIP: M8P 2R3           | Country: Canada |

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|--|---------------------|------------------------|-----------------|
| Given Name (first and middle [if any]) |                     | Family Name or Surname |                 |
| Steven D.                              |                     | Daniels                |                 |
| Inventor's Signature                   | Date                |                        |                 |
| Residence                              | City: Thornhill     | State: Ontario         | Country: Canada |
| Post Office Address                    | 122 Colvin Crescent |                        |                 |
| City: Thornhill                        | State: Ontario      | ZIP: L4J 2R7           | Country: Canada |

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|--|------------------------------|------------------------|-----------------|
| Given Name (first and middle [if any]) |                              | Family Name or Surname |                 |
| Jean Francois                          |                              | Drolet                 |                 |
| Inventor's Signature                   | Date                         |                        |                 |
| Residence                              | City: Toronto                | State: Ontario         | Country: Canada |
| Post Office Address                    | 1401 Dupont Street, Apt. 618 |                        |                 |
| City: Toronto                          | State: Ontario               | ZIP: M6H 2B1           | Country: Canada |

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